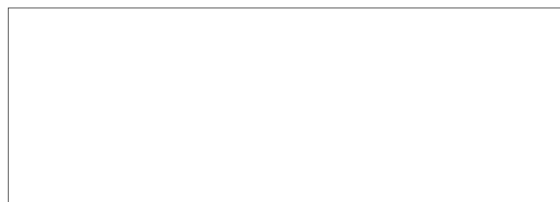


**SECRET***Balloon, Mini*

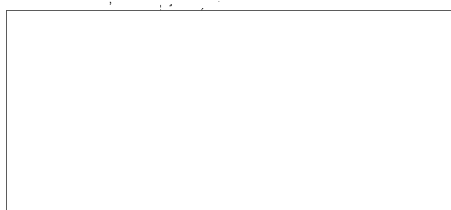
25X1

*to*

25X1

*submit new proposal*

January 16, 1957



25X1

**C**Subject: Expansion of scope of contract 

25X1

**O**

Reference: Letter of 19 December 1956

Dear 

25X1

With regards to referenced letter in which we requested an increase of \$191,099 we have been advised by the sponsor of the necessity of reducing the amount of funds requested.

**P**

Principle reduction and changes will be made in Task "C" of which we are submitting a revised program outline together with a cost estimate. You will note that our program outline has not been changed on some phases of Task "C", but to lower the cost we have decreased the amount of effort to be performed on certain phases.

**Y**

To reduce the amount of requested funds on Task "A" and "I" we also have lowered the amount of effort to be performed but have left the program outline the same. Our new proposed cost of Task "A" is \$13,000 and for Task "I" it is \$15,000.

We are resubmitting herewith a summary schedule of Item #II (Basic Experimentation) which indicates our revised increase of \$87,622.

DOC	6	REV DATE	30/6/80	BY	35577
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ORIG CLASS	3	PAGES	6	REV CLASS	C
JUST	22	NEXT REV	2010	AUTH:	HR 70-2

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- 2 -

January 16, 1957

25X1

In our letter of 14 January 1957 we suggested additional study that could be conducted under Task "Able".

We feel that we have submitted herein sufficient information for your evaluation. If you have any questions or desire further information, please advise.

Very truly yours,

25X1

Contract Administrator

Approved by

25X1

Proposal and Contract Administration

KAF:mm

**SECRET**

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## REVISED PROGRAM OUTLINE FOR TASK "C"

### TASK C - PAPER DROP

#### I. Continuation of Basic Theory Development

##### A. Dynamics of Autorotation

A mathematical analysis of the highly stable flight pattern of autorotation plus a comparison of it with other patterns.

##### B. Meteorological Variability Effects on Drop Parameters

How is leafletting affected by such things as clouds, inversions, lapse rate, night vs. daytime drops, etc.

#### II. Basic Experimentation

##### A. Rates of Descent at Higher Altitudes

###### 1. Second high altitude paper drops

2. Possible N.Y.U. pressure chamber tests which simulates the lapse rate to 100K. Dimensions not yet known on this chamber.

###### 3. Proof tests of the meteorological variability theory (I-B)

##### B. Packing methods and Procedures for Optimum Bloom of Targets upon Release

##### C. Reports on above experiments.

#### III. Operational Studies

##### A. Target Practice

###### 1. High Altitude Technique

The high altitude technique would have an extensive testing program to really tie everything down and end up with a perfected technique. This would involve approximately 5 unmanned flights with some going as high as 50,000 ft.

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B. Ground Pattern Study of A

IV. Target Technique Handbook

This handbook would describe in simple terms how to use the information and technique developed by the  study. Mathematical examples would be presented accompanied by a number of clear explanatory pictures and diagrams so that the average person would have a good understanding of what is to be done.

25X1

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